

**Notice of Allowability**

Application No.

10/715,593

Examiner

Demetrius R. Pretlow

Applicant(s)

FLYNN, DAVID WALTER

Art Unit

2863

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to interview on December 19, 2006.
2. ☒ The allowed claim(s) is/are 1-5, 7-25, 27-41 and 44-47.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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|--|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)   | 5. <input type="checkbox"/> Notice of Informal Patent Application  |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date <u>12/20/06</u> |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br>Paper No./Mail Date _____    | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment  |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance                       |
|  | 9. <input type="checkbox"/> Other _____  |

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Stanley Spooner on December 19, 2006.

The application has been amended as follows:

In claim 41, line 1, after "product" insert --comprising a computer readable storage medium-- .

In claim 45, line 11, "said" is changed to --a-- .

In claim 47, line 11, "said" is changed to --a-- .

### ***Allowable Subject Matter***

Claims 1-5,7-25,27-41,44-47 allowed.

The primary reason for the allowance of claims 1-5,7-20 is the inclusion of the limitations of an a mapping circuit operable to map said performance level request signal into a control signal supplied to one or more further circuits to control operation of said one or more further circuits so as to support said desired data processing performance level of said processor such that said program instructions controlling generation of said performance level request signal are independent of how said one or

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more further circuits are controlled to meet said desired data processing performance levels wherein said mapping circuit performs at least one many to one mapping between performance level request signal values and corresponding control signal values. It is these limitations found in each of the claims, as they are **claimed in the combination**, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

The primary reason for the allowance of claims 21-25,27-40 is the inclusion of the method step of mapping with a mapping circuit said performance level request signal into a control signal supplied to one or more further circuits to control operation of said one or more further circuits so as to support said desired data processing performance level of said processor such that said program instructions controlling generation of said performance level request signal are independent of how said one or more further circuits are controlled to meet said desired data processing performance level, wherein said mapping is at least one many to one mapping between performance level request signal values and corresponding control signal values. It is this step found in each of the claims, as it is **claimed in the combination**, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

The primary reason for the allowance of claim 44 is the inclusion of the limitations of an a mapping circuit operable to map said performance level request signal into a control signal supplied to one or more further circuits to control operation of said one or

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more further circuits so as to support said desired data processing performance level of said processor such that said program instructions controlling generation of said performance level request signal are independent of how said one or more further circuits are controlled to meet said desired data processing performance level, wherein performance level supported as controlled by control signal value changes monotonically with performance level request signal value. It is these limitations found in each of the claims, as they are **claimed in the combination**, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

The primary reason for the allowance of claim 45 is the inclusion of the limitations of an a mapping circuit operable to map said performance level request signal into a control signal supplied to one or more further circuits to control operation of said one or more further circuits so as to support said desired data processing performance level of said processor such that said program instructions controlling generation of said performance level request signal are independent of how said one or more further circuits are controlled to meet said desired data processing performance level, wherein a clock generator is operable to generate a clock signal with one or more available clock signal frequencies and one or more selectively available clock signal frequencies. It is these limitations found in each of the claims, as they are **claimed in the combination**, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

The primary reason for the allowance of claim 46 is the inclusion of the method step of mapping with a mapping circuit said performance level request signal into a control signal supplied to one or more further circuits to control operation of said one or more further circuits so as to support said desired data processing performance level of said processor such that said program instructions controlling generation of said performance level request signal are independent of how said one or more further circuits are controlled to meet said desired data processing performance level, wherein performance level supported as controlled by control signal value changes monotonically with performance level request signal value. It is this step found in each of the claims, as it is **claimed in the combination**, that has not been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

The primary reason for the allowance of claims 47 is the inclusion of the method step of mapping with a mapping circuit said performance level request signal into a control signal supplied to one or more further circuits to control operation of said one or more further circuits so as to support said desired data processing performance level of said processor such that said program instructions controlling generation of said performance level request signal are independent of how said one or more further circuits are controlled to meet said desired data processing performance level, wherein a clock generator is operable to generate a clock signal with one or more available clock signal frequencies and one or more selectively available clock signal frequencies. It is this step found in each of the claims, as it is **claimed in the combination**, that has not

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been found, taught or suggested by the prior art of record which makes these claims allowable over the prior art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Demetrius R. Pretlow whose telephone number is (571) 272-2278. The examiner can normally be reached on Mon.-Fri. 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Barlow can be reached on (571) 272-2269. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Demetrius R. Pretlow

*Demetrius R. Pretlow* 12/20/06

Patent Examiner

~~EXAMINER~~

~~EXAMINER~~

*Michael Nghiem*  
MICHAEL NGHIEM  
PRIMARY EXAMINER